

Well Summary

15-051-24805

OPERATOR: H.D.P., Inc.
WELL NAME: Solomon # 1
LOCATION: SE NW SW Sec. 28, T 11S, R 19W
Ellis County, Kansas
CONTRACTOR: Emphasis Oil Operations, Rig #6
DRILLING SPRVSR: Mike Sternberg
GEOLOGIST: Jesse Taylor
OPERATIONS: Commenced: 09-30-92
Completed: 10-05-92
ELEVATION: 2039' KB
2034 GL
TOTAL DEPTH: 3586'
STATUS: D & A
FORMATION TOPS:

KCC

JAN 23 1997

RECEIVED
KANSAS GEOLOGICAL SURVEY

AUG 02 1996

CONSERVATION DIVISION
WICHITA, KS

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Anhydrite	1342	+ 697
Topeka	3015	- 976
Heebner	3240	- 1201
Lansing	3284	- 1245
Conglomerate	3538	- 1499
Simpson	3550	- 1511
Arbuckle	3568	- 1529

DST: # 1 Interval: 3562 - 3577
Recovery: 1' oil, 5' oil specked mud
Pressures: FP 30-30, 30-30
SIP 136-71#
2 Interval: 3562 - 3586
Recovery: 30' oil specked mud
Pressures: FP 37-44, 44-44
SIP 1024-1077

Geologic Summary

The primary objective of the prospect was the Arbuckle, with the Topeka and Lansing being secondary.

The only show observed in the Topeka occurred in the top Limestone bench. One grain of Limestone had dead oil stain, a trace of porosity, with slight fluorescence, and a trace of cut. However, it looked tight and wet under the microscope and the zone was not considered for testing.

Oil shows were observed in the Lansing 'B' and 'G' zones. A one foot interval in the 'B' zone drilled 2 min/ft and contained Limestone with isolated pods of poor porosity and permeability. There was a trace of oil stain and fluorescence with slow streaming cut. The lack of porosity and permeability precluded the testing of the zone.

A 2' interval at the top of the 'G' zone drilled 2.5 min/ft and contained a tight limestone with some oil stain and faint fluorescence and cut. Again, the lack of porosity and permeability precluded testing.

The Arbuckle was penetrated at a depth of 3568'. Three relatively porous zones of one to two feet of thickness were drilled at 3568, 3572 and 3584. The first zone drilled at 2.5 min/ft, the second at 1.5 min/ft and the third at 1 min/ft. Samples from all three zones consisted of Dolomite with zero to fair porosity, excellent oil stain, good fluorescence and immediate streaming cut. Many of the samples had tight zones adjacent to pods of porosity indicating poor permeability. DST # 1 encompassed

the first two zones and recovered one foot of free oil and five feet of oil specked mud. Due to the lack of permeability, the Arbuckle was not considered for completion and the well was abandoned.

SAMPLE DESCRIPTIONS

- 3000-10 Sh - gy, grn, slty, blk
hs - tan, wh, dns, hd, tt, no show
- 3010-20 Sh - dk gy, gy, blk, slty
Ls - as above w/ tr macroxln, tt, no show
- 3020-30 Ls - tan, lt brn, tt, nd, micrite w/ tr microxln
tt, no show/ 1 pc dead oil stn, tr por,
tr fl, tr cut, looks wet
- 3030-40 Sh - gy, dk gy, rd, blk, slty
- 3040-50 Sh - dkgy, blk, slty
- 3050-60 Ls - tan, lt brn, tt, dns, hd,
blk, micrite, no show
- 3060-70 Ls - as above
- 3070-80 Ls - lt brn, gry, blk, sndy,
tt, hd, micrite, rk frag
no por, no show
- 3080-90 Ls - tan, brn, tt, hrd, micxln w/sm sndy
w/ micxln matrix, tt, hd, blk,
conc frac, no show, no por
- 3090-3100 Ls - brn, dns, hd, tt, micrite, conc frac
no show
- 3100-10 Ls - as above w/ tr sandy, spar matrix, tt,
hd, no show
- 3110-20 Ls - buff, tan, micrita, tt, hd, no show
- 3120-30 Ls - gy, tan, tt, hd, micrite, conc frac, no show
- 3130-40 Ls - gy, brn dns, hd, tt, micrite
- 3140-50 Ls - gy, brn, as above w/ sm sandy-spar
cmt, tt, hd, no por, no show
- 3150-60 Ls - as above w/ tr sandy, fr por, wet
no show
- 3160-70 Ls - tan, brn, micrite, tt, hd, no por, no show
w/ tr gy, blk rk frag in micrite
matrix, fos, oolitic, hd spar-micrite cmt
no por, no show
- 3170-80 Ls - as above, no show

- 3180-90 Ls - tan, buff, tt, hd, micrite w/ Ls-gy, brn, oolite w/ tt, spar matrix, no por, no show
- 3190-3200 Ls - lt brn, fas hash in tt, spar matrix no por, no show
- 3200-10 Ls - brn, micrite, arenite, spar cmt, fos hd, no show
- 3210-20 Ls - as above w/ tr arenite, tr por, fos, no show
- 3220-30 Ls - lt gy, blk, micrite w/fgr fos frag, hd, tt w/ tr calcarenite fgr, pr por, wet, no show
- 3230-40 Ls - tan, lt brn, as above w/ tr gilsonite
- 3240-50 Ls - gy, calcarenite-sandy micrite, tt, hd, no show
- 3250-60 Ls - as above w/ more micrite less calcarenite w/ tr dk blk coaly shale - Heebner
- 3260-70 Ls - tan, hd, dns, tt, micrite-calcarenite
- 3270-80 Ls - tan, buf, micrite, tt, hd, no show
- 3280-90 Ls - as above w/ tr calcarenite, pr por, fos, spar matrix, no show
- 3290-3300 Ls - wh, tan, dns, hd, tt, micrite, no por, no show
- 3300-10 Ls - tan, gy, dns, hd, tt, micrite, w/sm calcarenite spar matrix, no por, no show
- 3310-20 Ls - as above w/ sm Anhy
- 3320-30 Ls - tan, buff, kns, hd, tt, no por, micrite, no show w/ Ls-gy, fos frag in spar matrix
- 3330-40 Ls - as above w/ sh - gy, rd, blk, slty w/ tr Ls - wh, brn, micxln w/ isolated pods of pr por, tr oil stn, tr flour, appears residual, slow strm cut
- 3340-50 Ls - tan, dns, hd, tt, micrite - sparite, tr fos, no por no show
- 3350-60 Ls - as above w/ tr calcarenite, fos frag, tt, hd tr oil bound in matrix, no flour, no cut
- 3360-70 Ls - as above w/ abnd Sh-gy, blk, slty
- 3370-80 Ls - wh, lt brn, micxln, tt w/ tr scatt por w/

oil stn, faint flour, fair strm cut

- 3380-90 Ls - wh, calcarenite, fos frag, tt, hd, no por,
no show
- 3390-3400 Ls - tan, wh, micxln, dns, hd, tt
- 3400-10 Ls - tan, buff, micxln as above w/ wh, micrite,
tr anhy all tt, no por, no show
- 3410-20 Ls - as above
- 3420-30 Sh - gy, dk gy, blk, slty, sft, sm blk carb,
calc
- 3430-40 Ls - tan, buff, micxln, sm micrite, tt, hd
dns, no por, no show
- 3440-50 Ls - as above w/ Sh-as above
- 3450-60 Ls - brn, tan, dns, hd, tt, no por, no show
- 3460-70 Ls - tan, micxln, tr por, arg, no show
- 3470-80 Ls - as above
- 3480-90 Ls - brn, gy, dns, hd, tt, micxln-micrite, w/ sm
anhy and sm sh
- 3490-3500 Ls - as above, no show
- 3500-10 Ls - as above, w/ tr Ls-gy, wh, oolite
gy spar matrix, tt, hd, no por
- 3510-20 Sh - gy, brn, rd, blk-plty, slty, sm carb, calc
- 3520-30 Ls - tan, buff, gy, micxln-oolite, tt, hd, arg in
part w/ abnd Sh
- 3530-40 Sh - gy, brn, rd, mottled, slty, blk, sft,
w/ sm Ls-wh, gy, brn, micxln-oolite, tt, hd
no por, no show
- 3540-50 Sh - brn, rd, gy, blk, mottled, sft, slty
calc
- 3550-60 Sh - as above w/ abnd Ls- wh, micxln,
dns, hd, tt
- 3560-70 Ls - as above w/ abnd Sh-rd, grn, plty, wxy,
circ sft

30 min Dolo - wh, brn, micxln, fr por, oil stn, fair,
fluor, good milky cut

45 min Dolo - wh, brn, micxln, gd por, oil stn, fluor
imm strm cut, sm wtr wet/oil

60 min Dolo - as above sm/ spotty oil stn

Drill to
3580

circ Dolo - brn, micxln, fr por, abnd oil stn, gd
fluor, imm strm cut